

Title (en)

Rotor core, rotor, and rotating electric machine

Title (de)

Rotorkern, Rotor und elektrische Drehmaschine

Title (fr)

Noyau de rotor, rotor et machine électrique tournante

Publication

**EP 2592719 A2 20130515 (EN)**

Application

**EP 12191518 A 20121107**

Priority

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- JP 2011262362 A 20111130

Abstract (en)

A rotor core (11, 11\_11 11\_2, 11\_3, 11\_4) according to an embodiment has a plurality of magnet openings (112, 112\_1, 113, 113\_1) and cavity portions (111, 111\_1, 111\_2, 111\_3, 111\_4, 111\_5, 111\_6, 111\_7). The magnet openings (112, 112\_1, 113, 113\_1) are in juxtaposition with each other in a circumferential direction. Permanent magnets (12) are inserted in the magnet openings (112, 112\_1, 113, 113\_1). The cavity portions (111, 111\_1, 111\_2, 111\_3, 111\_4, 111\_5, 111\_6, 111\_7) are each formed relative to an area sandwiched between two magnet openings (112, 112\_1, 113, 113\_1), out of the magnet openings (112, 112\_1, 113, 113\_1), in which the permanent magnets (12) that are mutually adjacent and that have magnetic pole directions relative to a radial direction opposite to each other are inserted.

IPC 8 full level

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CPC (source: EP US)

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